

C E Composites-04.US

Schedule C

to the Response of May 27, 2005 Serial number 10/672,060

Amendment to Abstract

ABSTRACT

Tubular baseball bats ~~comprised of an elongated handle portion and are provided~~ **with** a striking or barrel portion wherein the barrel portion has a **mid-section length within the barrel portion wherein the radial stiffness is greater in the mid-section than in the adjacent lateral regions of the barrel variable stiffness along its length**. One such bat has a circumferential low cost, low weight stiffener generally located in the sweetspot area designed to increase radial stiffness in a controlled manner which results in decreasing the bat performance to meet a changed bat performance standard and can be applied at low cost to both used field returned bats and bats being newly manufactured. Further, new tubular polymer composite bats can be designed with increased radial stiffness generally located in the sweetspot area or with radial stiffness graduated from highest, generally in the sweetspot area, to lowest **towards at** the barrel ends. **Bat wall thickness can also be varied in order to vary the radial stiffness**. All bats of the present invention result in calculated bat performance to meet applicable regulatory standards while also increasing the sweetspot size.